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MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION

SAVINGS BLDG.
HELENA, MONTANA

Vol. IX., No. 7 — MONTANA RECORD PUBLISHING CO. HELENA, MONTANA — JULY, 1961.

Production of crude oil and condensate from the oil and gas areas of Montana for the Month of July, 1961, averaged 85,286 barrels daily, an increase of 2,560 barrels from the average June production of 82,726.

The nine refineries in the State processed 73,596 barrels of crude oil daily for the month of July, 1961, an increase of 2,651 barrels from the 70,945 barrels processed daily during the month of June, 1961.

During July, 40 wells were completed, 15 oil, 2 gas wells and 23 dry holes.

During July, the commission issued 40 permits to drill new wells, a decrease of 16 from the 56 permits issued during June.

SUMMARY OF CRUDE OIL PRODUCTION REFINING, STORAGE, ETC., IN MONTANA

MONTH OF JULY, 1961

IN STORAGE JULY 1st:	
By Producers	377,539
By Transporters	887,739
By Refiners	701,122
TOTAL STORAGE	1,966,400
Produced in Montana During Month	2,643,890
Imported During Month	1,356,067
TOTALS	5,966,357
DISPOSITION:	
Refined in Montana	2,281,494
Exported	1,729,380
Used for Fuel or Lost	8,328
TOTAL	4,019,202
IN STORAGE JULY 31st:	
By Producers	383,399
By Transporters	870,967
By Refiners	692,789
TOTAL STORAGE	1,947,155

NATURAL GAS WITHDRAWALS IN MONTANA

Month of July, 1961

Field	M Cu. Ft.
Bears Den	19,344
Big Coulee	31,259
Bowdoin	40,010
Bowes	38,644
Box Elder	0
Cabin Creek	101,538
Cedar Creek	175,771
Clarks Fork	0
Cut Bank (including Reagan)	291,863
Devon	11,569
Dry Creek	73,923
Elk Basin	10,094
Flat Coulee	4,639
Golden Dome	465
Grandview	33,386
Hardin	3,127
Havre	1,115
Keith Block	28,537
Kevin Sunburst	106,106
Pine	73,238
Plevna	15,337
Utopia	0
Whitlash	100,127
Miscellaneous	34,129
TOTAL	1,194,221

Total Withdrawals for July, 1960 were 1,463,611 M Cu. Ft.

PRODUCER'S REPORT
MONTH OF JULY, 1961

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
4	Ash Creek	4	702	2,375		2,662		415
5	Bannatyne	13	1,075	1,428		398		2,105
1	Belfry	1	198	1,365		1,253		310
9	Big Wall	29	4,126	54,031	35,867	17,543	15	4,732
12	Blackfoot	17	3,733	9,360	8,574		3	4,516
1	Border	1	126	219		180		165
1	Bowes	74	4,413	22,774	20,747			6,440
2	Bredette, North	2	875	955	526			1,304
2	Brorson	2	2,875	2,213	2,309			2,779
2	Cabin Creek	104	7,186	356,254	357,084			6,356
22	Cat Creek	94	5,630	17,221	17,131		13	5,707
	Clark's Fork		183			97	86	
1	Clark's Fork, North	2	2,197	6,045		6,045		2,197
1	Cupton	1	906	854	882			878
377	Cut Bank	1,081	123,549	177,442	167,752		74	133,165
3	Deer Creek	6	1,531	15,872	15,812			1,591
2	Delphia	2	915	1,446	1,278			1,083
	Devil's Basin		889					889
3	Dry Creek	3	867	1,318	1,110			1,075
8	Dwyer	8	8,047	24,561		25,959		6,649
7	Elk Basin	53	2,451	206,681	205,745		260	3,127
	Fertile Prairie		517		274		75	168
2	Frannie	2	311	2,637	2,604			344
2	Gage	2	869	737	809			797
4	Gas City	10	4,321	36,974	38,429			2,866
6	Glendive	11	4,240	49,664	49,992			3,912
4	Gypsy Basin	4	1,239	1,121	1,117			1,243
2	Hibbard	2	1,219	2,743		3,070		892
10	Ivanhoe	18	7,969	37,464	38,176		19	7,238
5	Keg Coulee	10	2,935	60,160	58,624			4,471
186	Kevin Sunburst	986	15,971	61,114	61,531			15,554
1	Little Beaver	21	2,474	42,638	40,877			4,235
4	Little Beaver, East	11	3,923	35,271	34,639			4,555
	Mackay Dome		770					770
3	Melstone	7	1,514	5,345	4,972			1,887
5	Monarch	13	4,075	30,083	29,212			4,946
3	Mosser	5	311	201		312		200
7	Outlook	11	9,140	37,689	37,023			9,806
3	Outlook, South	3	3,368	3,395	5,499			1,264
16	Pennel	27	10,606	71,516	72,527			9,595
5	Pine	148	15,406	458,674	460,066			14,014
84	Pondera	314	9,100	46,444	45,866			9,678
7	Poplar, East	91	33,171	201,251	213,907		28	20,487
3	Poplar, Northwest	4	1,265	1,735	936			2,064
4	Ragged Point	9	3,039	9,738	9,385			3,392
2	Reagan	27	2,559	11,384	10,313			3,630
8	Red Creek	18	3,177	24,627	8,093	13,452		6,259
1	Redstone	1	350	1,035	716			669
1	Repeat	1	589	2,745	2,914			420
7	Richey	11	5,358	9,618	9,889			5,087
2	Richey, Southwest	2	1,310	4,783	4,802			1,291
4	Sand Creek	5	4,852	14,660	15,425			4,087
2	Sidney	2	1,992	1,896	1,955			1,933
2	Snyder	4	691	1,633		1,352		972
4	Soap Creek	8	3,000	6,479		6,097		3,382
10	Stensvad	25	8,953	152,074	151,023			10,004
27	Sumatra	87	15,408	207,295	203,465	4,175	63	15,000
5	Sweetgrass Hills	5	1,653	5,195		4,078		2,770
5	Tule Creek	7	4,198	30,163	29,950			4,411
12	Whitlash	31	5,109	10,924	9,930		35	6,068
10	Wills Creek	16	4,075	32,663	33,427			3,311
10	Wolf Springs	19	3,377	25,652	25,666			3,363
2	Woodrow	2	661	2,056	1,836			881
943		3,477	377,539	2,643,890	2,550,686	86,673	671	383,399

Total Oil Produced and Shipped from Lease	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1960	30,239,915	82,849	30,213,359	82,776
First Quarter, 1961	7,439,465	82,660	7,441,654	82,685
Second Quarter, 1961	7,543,737	82,898	7,508,896	82,515
July, 1961	2,643,890	85,286	2,637,359	85,076

Oil in Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage*	Total Oil in Storage
December, 1960	359,360	669,036	652,546	1,680,942
March, 1961	348,087	721,005	636,988	1,706,080
June, 1961	377,539	887,739	701,122	1,966,400
July, 1961	383,399	870,967	692,789	1,947,155

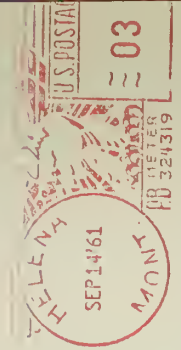
*Includes Wyoming Oil

TRANSPORTERS REPORT
MONTH OF JULY, 1961

	Storage First of Month	OIL RECEIVED BY			Loss or Gain	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			2,662				2,662		
BANNATYNE—Truck			398			398			
BELFRY—Truck			1,253				1,253		
BIG WALL									
Glacier Pipe Line Co.		35,867					35,867		
Truck			17,543			17,543			
		35,867	17,543			17,543	35,867		
BLACKFOOT—Union Oil Co.		8,574				8,574			
BORDER—Truck			180			180			
BOWES—Texaco, Inc.		20,746				20,746			
BRORSON—Sun Oil Co.		2,309					2,309		
CABIN CREEK & OTHERS*									
Butte Pipe Line Co.	320,271	991,692		544,973			1,558,685		308,251
Shell Pipe Line Corp.	2,162	178,295			457			177,378	2,623
	322,434	1,169,987		554,973	457		1,558,685	177,378	310,874
CAT CREEK—									
Glacier Pipe Line Co.		17,566					17,566		
CLARK'S FORK—Truck			6,142				6,142		
CUT BANK—									
Big West Oil Co.				30,064		30,064			
Darling Gathering System, Inc.	8,724	7,395						9,750	6,369
Phillips Petroleum Co.	105,421	60,553		27,891	322	75,857		11,950	105,736
Texas Pipe Line Co.	58,407	25,851			306			35,814	48,138
Toronto Pipe Line Co.	56,805	39,042			294			36,322	59,231
Union Oil Co.	90,076	45,856		26,130	30	56,234			105,798
	319,433	178,697		84,085	952	162,155		93,836	325,272
DELPHIA—Glacier Pipe Line Co.		1,279					1,279		
DRY CREEK—									
Marathon Pipe Line Co.	8,313	1,110			65	3,135			6,223
Dwyer—Truck			25,959				25,959		
ELK BASIN—Ohio Oil Co.		205,745				150,839	54,906		
FRANNIE—Ohio Oil Co.		2,604					2,604		
GAGE—Glacier Pipe Line Co.		511					511		
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK									
The Texas Pipe Line Co.	7,666	83,067			1,000	5,442	33,748	39,452	11,091
HIBBARD—Truck			3,070				3,070		
IVANHOE—Glacier Pipe Line Co.		39,057					39,057		
KEG COULEE—									
Glacier Pipe Line Co.		58,624				53,148	5,476		
KEVIN-SUNBURST—									
Big West Oil Co.	2,088	38,001				37,337			2,752
Homestake Oil & Gas Co.	4,416	2,078		9,750	(1)	11,039			5,206
The Texas Pipe Line Co.	5,696	32,797			312	32,485			5,696
	12,200	72,876		9,750	311	80,861			13,654
MELSTONE—									
Glacier Pipe Line Co.		4,971					4,971		
MOSSER—Truck			312				312		
PONDERA—Phillips Petr. Co.	69,430	47,373			(256)	65,912			51,147
POPLAR, BREDETTE, OUTLOOK, OUTLOOK SOUTH, REDSTONE, RICHEY & TULE CREEK									
East Poplar Gathering System	35,227	315,040			(1,196)			338,142#	13,321
RAGGED POINT—									
Glacier Pipe Line Co.		9,385					9,385		
REAGAN—Union Oil Co.		10,313				10,313			
RED CREEK—									
Union Oil Co.		8,093				8,093			
Truck			13,452				13,452		
		8,093	13,452			8,093	13,452		
SIDNEY—Sun Oil Co.		1,955					1,955		
SNYDER—Truck			1,352				1,352		
SOAP CREEK—Truck			6,097				6,097		
SUMATRA AND STENSVAD—									
Crude Oil Pipe Line, Inc.	21,012	31,217			23	27,756			24,450
Glacier Pipe Line Co.	79,414	323,271			5,635	296,831			100,219
Truck			4,175			4,175			
	100,426	354,488	4,175		5,658	328,762			124,669
SWEETGRASS HILLS—Truck			4,078			4,078			
WHITLASH—									
Big West		9,152				9,152			
Union Oil Co.		778				778			
		9,930				9,930			
WOLF SPRINGS—									
Crude Oil Pipe Line, Inc.	12,610	25,658			(153)	23,705			14,716
TOTALS	887,739	2,685,825	86,673	648,808	6,838	953,814	1,828,618	648,808	870,967

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Monarch, Pennel, Pine, Repeat, Richey, Southwest Richey, and Wills Creek Fields.

#Transferred to Butte Pipe Line Company.



Montana School of Mines
Office of the President
Butte, Montana

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF JULY, 1961

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Texaco Inc.	Union Oil Co.	Total
Big Wall						7,317				7,317
Blackfoot									10,402	10,402
Bowes			19,986							19,986
Cat Creek		11,794		7,545		2,974				22,313
Cut Bank	30,065						75,252		56,940	162,257
Dry Creek				2,398						2,398
Elk Basin		46,885			101,649					148,534
Gage				302						302
Kevin-Sunburst	54,956									54,956
Pondera							63,864			63,864
Red Creek									8,093	8,093
Sumatra		17,545		169,166	201,462					388,173
Whitlash									846	846
Wolf Springs					35,986					35,986
Total Montana Oil	85,021	76,224	19,986	179,411	339,097	10,291	139,116		76,281	925,427
Canadian Oil Imported			3,785						82	3,867
Wyoming Oil Imported		331,486		378,087	642,627					1,352,200
Total Mont., Canadian & Wyoming Oil	85,021	407,710	23,771	557,498	981,724	10,291	139,116		76,363	2,281,494

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	TOTAL
Year, 1960	28,852	56	39,406	68,314
July, 1960	36,434	17	47,005	83,456
July, 1961	29,852	125	43,619	73,596

PERCENTAGE OF CRUDE OIL REFINED

Montana	Canada	Wyoming
42.23%	.09%	57.68%
42.78%	.11%	57.11%
40.56%	.18%	59.26%